

- It is a natural method for controlling and improving water quality.

Pond Water Being Discharged from the Site

- Schematics (attached)**

- We trust this is sufficient to support Approval.

NORTHROP

Mathew Richards

Principal - Civil Engineer

CONSTRUCTED
WETLAND CELL /
SWALE TREATS
RUNOFF +
RECIRCULATED
BOD WATER
(350 m²)

RECIRCULATING
(SUBMERSIBLE)
PUMP

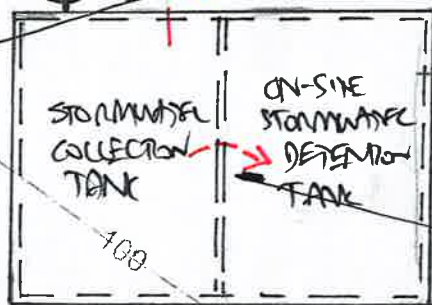
TOP-UP FROM
COLLECTION
TANK

CONSTRUCTED WETLAND
CELL / EDGE VEGETATION
TREATS RUNOFF +
RECIRCULATES BOD
WATER. (450 m²)

OVERFLOW PIT w/
TRASH SCREEN TO
TREAT DEBRIS.
DISCHARGES TO COLLECTION
TANK VIA POLLUTION
CONTROL DEVICE

O.S.D TANK TO
CONTROL PARK
DISCHARGE IN
EXTREME EVENTS
- WHEN COLLECTION
TANK OVERFLOWS

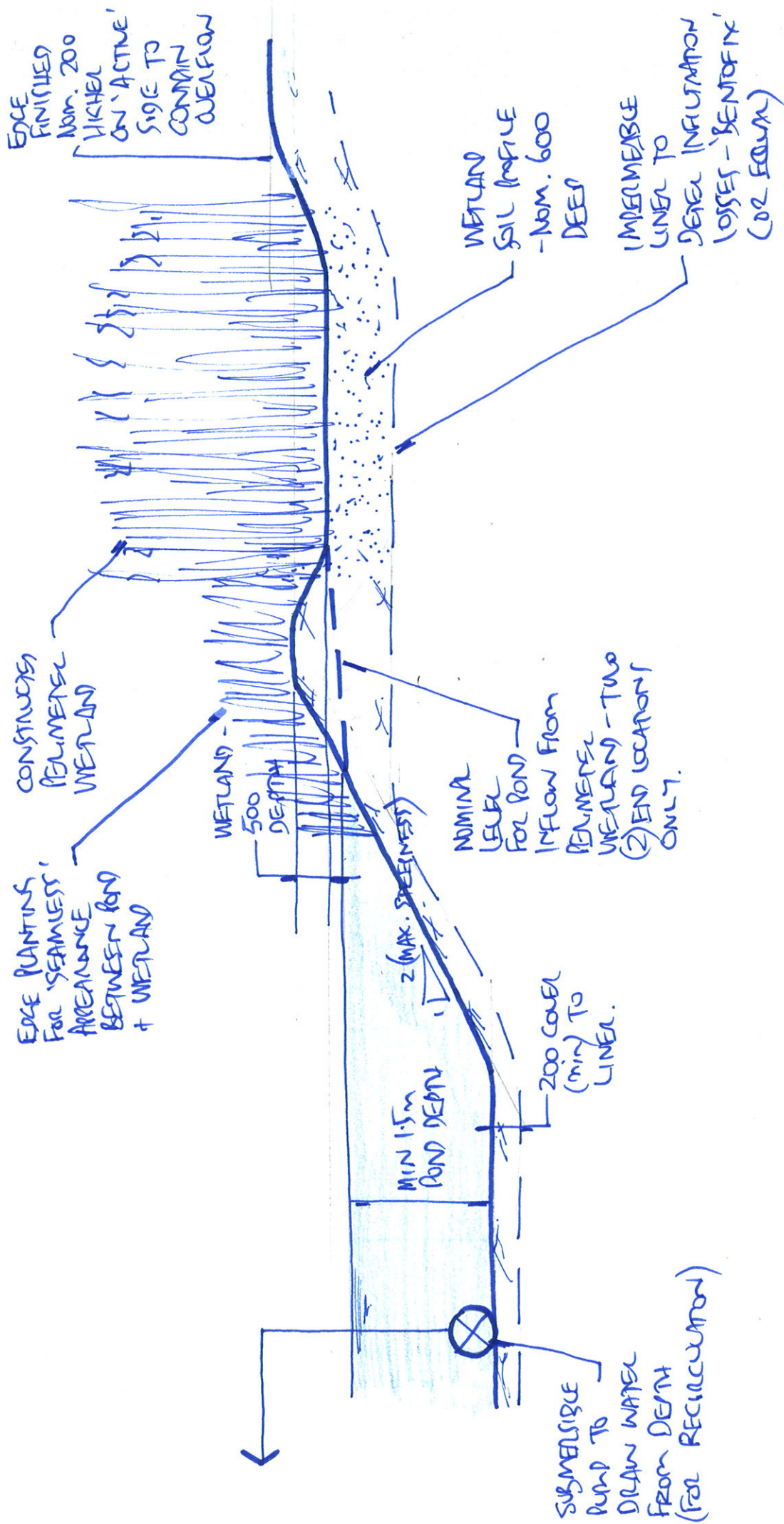
EXCESS PARK RUNOFF
DISCHARGES TO NEW
STREET DRAINAGE
SYSTEM IN FLORA STREET



RECIRCULATION PIPE
TO CONVEY 1 LIT
FLOW TO UPSTREAM
END OF WETLAND

MAIN WATER
TOP-UP

FLORA



Grafton Bond Store
Level 1, 60 Hickson Road
Sydney NSW 2000

PO Box H171
Australia Square NSW 1215

T (02) 9241 4188
F (02) 9241 4324

KIRRAWEE BRICK PIT TYPICAL EDGE TREATMENT COMPENSATORY HABITAT WATER BODY

10641 NYS 14.09.11

Non-300 High
MOUNDING TO
CONTAIN RECIRCULATED
WATER FOR TREATMENT

INFLOW FOR
RECIRCULATION/
TREATED WATER -
TWO (2) END
(LOCATION ONLY)

CONSTRUCTION
PERIMETER
WETLAND

CURBS INLET
OVERFLOW PIT

NOMINAL 200 DEEP
OVERFLOW
ALLOWANCE - TBC

TRASH SCREEN
TO REMOVE
DEBRIS IN OVERFLOW
RUNOFF

IMPERMEABLE
LINER +
DEBRIS INFILTRATION
LOSSER - 'BENTONITE'
(OR EQUIV)

LOW-LEVEL
PUMP DISCHARGE
PIPE (SEALED/
CAPPED AT
DOWNSTREAM
END) - FOR
DRAINING PUMP
FOR MAINTENANCE

OVERFLOW
PIPE DISCHARGES
TO RAINWATER
COLLECTION TANK



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KIRILANEE BRICK PIT

TYPICAL OVERFLOW TREATMENT

COMPENSATORY HABITAT WATER BODY

10641 NT1

09.05.14